

What is claimed is:

1. A front end module for processing transmission signals and reception signals in each of a first frequency band and a second frequency band, the front end module comprising:

5           a first separating means connected to an antenna and separating the first and second frequency bands from each other;

              a second separating means connected to the first separating means, including two acoustic wave elements each of which functions as a filter, and separating the transmission signals and the reception signals in the first frequency band from each other;

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              a third separating means connected to the first separating means, including two acoustic wave elements each of which functions as a filter, and separating the transmission signals and the reception signals in the second frequency band from each other; and

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              a single multi-layer substrate for integrating the first to third separating means, wherein

              the first separating means is made up of a conductor layer located inside or on a surface of the multi-layer substrate.

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2. The front end module according to claim 1, wherein:

              the two acoustic wave elements that the second separating means includes and the two acoustic wave elements that the third separating means includes are mounted on the multi-layer substrate; and

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              at least part of circuit portions of the second and third separating means except the acoustic wave elements is made up of the conductor layer located inside or on the surface of the multi-layer substrate.

3. The front end module according to claim 1, wherein the first separating means incorporates:

a filter for allowing signals of frequencies in the first frequency band to pass through this filter and intercepting signals of frequencies in the second frequency band; and

5 a filter for allowing signals of frequencies in the second frequency band to pass through this filter and intercepting signals of frequencies in the first frequency band.

10 4. The front end module according to claim 1, wherein the transmission signals and the reception signals in each of the first and second frequency bands are signals of a code division multiple access system.